



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Jokisch Fotia Alea 2.K

Revision: 01.01.2026

Product code: 10000sp1

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Jokisch Fotia Alea 2.K

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Parting agent.

#### 1.3. Details of the supplier of the safety data sheet

|                 |                        |                             |
|-----------------|------------------------|-----------------------------|
| Company name:   | Jokisch GmbH           |                             |
|                 | Germany                |                             |
| Street:         | Industriestraße 5      |                             |
| Place:          | D-33813 Oerlinghausen  |                             |
| Telephone:      | +49(0)5202/9734-0      | Telefax: +49(0)5202/9734-49 |
| E-mail:         | info@jokisch-fluids.de |                             |
| Contact person: | Regulatory affairs     |                             |
| E-mail:         | MSDS@jokisch-fluids.de |                             |
| Internet:       | www.jokisch-fluids.de  |                             |

**1.4. Emergency telephone number:** Emergency telephone number (24h) +1 872 5888271 (JRR) (en)

#### Further Information

Reserved for industrial and professional use.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No 1272/2008

Aerosol 3; H229

Full text of hazard statements: see SECTION 16.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.  
Keep out of reach of children.

#### 2.2. Label elements

##### Regulation (EC) No 1272/2008

**Signal word:** Warning

##### Hazard statements

H229 Pressurised container: May burst if heated.

##### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

##### Special labelling of certain mixtures

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

#### 2.3. Other hazards

Dispose of contents/container to industrial incineration plant.

Avoid release to the environment.

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

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**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Relevant ingredients**

none (according to Regulation (EC) No 1907/2006 (REACH))

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Provide fresh air. Move victim to fresh air. Put victim at rest and keep warm.

**After contact with skin**

After contact with skin, wash immediately with: Water. Change contaminated clothing. Seek medical attention if problems persist.

**After contact with eyes**

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

**After ingestion**

Move victim to fresh air. Put victim at rest and keep warm.

In case of respiratory tract irritation, consult a physician.

Rinse mouth thoroughly with water.

**4.2. Most important symptoms and effects, both acute and delayed**

No information available.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

The product itself does not burn.

Water fog. Extinguishing powder. Carbon dioxide. Foam.

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Heating causes rise in pressure with risk of bursting.

In case of fire may be liberated:

Carbon dioxide (CO<sub>2</sub>).

Carbon monoxide

Nitrogen oxides (NO<sub>x</sub>).**5.3. Advice for firefighters**

Co-ordinate fire-fighting measures to the fire surroundings.

Do not inhale explosion and combustion gases. Wear a self-contained breathing apparatus and chemical protective clothing.

Move undamaged containers from immediate hazard area if it can be done safely.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**



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#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **General advice**

Avoid contact with skin.  
Avoid contact with eyes.  
Wear personal protection equipment. Do not breathe gas/fumes/vapour/spray.

##### **For non-emergency personnel**

Provide adequate ventilation.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

#### **6.3. Methods and material for containment and cleaning up**

##### **Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Suitable material for taking up: Sand, Universal binding agent. Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

#### **6.4. Reference to other sections**

Disposal: see section 13  
See section 8.

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Use only in well-ventilated areas.  
When using do not eat, drink or smoke.  
If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Handle and open container with care. Flammable vapours can accumulate in steam space of closed systems. Keep away from sources of ignition - No smoking. Only use the material in places where open light, fire and other flammable sources can be kept away. Do not spray on naked flames or any incandescent material.

##### **Advice on protection against fire and explosion**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

##### **Advice on general occupational hygiene**

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

##### **Further information on handling**

High slip hazard because of leaking or spilled product.

#### **7.2. Conditions for safe storage, including any incompatibilities**

##### **Requirements for storage rooms and vessels**

Keep container tightly closed. Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 5-40 °C

Do not store at temperatures over: 40 °C

Maximum period of storage (time): 2 years

##### **Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

##### **Further information on storage conditions**

Recommended storage temperature: 5-40 °C

Do not store at temperatures over: 40 °C

#### **7.3. Specific end use(s)**

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Observe technical data sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limits**

| CAS No   | Substance                                      | ppm | mg/m <sup>3</sup> | fib/cm <sup>3</sup> | Category  | Origin |
|----------|--|-----|-------------------|---------------------|-----------|--------|
| 111-42-2 | Diethanolamine (Inhalable Fraction and Vapour) | 0.2 | 1                 |                     | TWA (8 h) |        |
| 57-55-6  | Propane-1,2-diol, particulates                 | -   | 10                |                     | TWA (8 h) |        |
| 102-71-6 | Triethanolamine                                | -   | 5                 |                     | TWA (8 h) |        |

**DNEL/DMEL values**

| CAS No                   | Substance  | Exposure route | Effect   | Value                   |
|--------------------------|--|----------------|----------|-------------------------|
| 102-71-6                 | Triethanolamin   |                |          |                         |
| Worker DNEL, long-term   |  | inhalation     | local    | 1 mg/m <sup>3</sup>     |
| Worker DNEL, long-term   |  | dermal         | systemic | 7,5 mg/kg bw/day        |
| Consumer DNEL, long-term |  | inhalation     | local    | 0,4 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term |  | dermal         | local    | 2,66 mg/person/day      |
| Consumer DNEL, long-term |  | oral           | systemic | 3,3 mg/kg bw/day        |
| 57-55-6                  | 1,2-propylene glycol (1,2-propanediol)1,2-propylene glycol (1,2-propanediol) |                |          |                         |
| Worker DNEL, long-term   |  | inhalation     | systemic | 168 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term |  | oral           | systemic | 85 mg/kg bw/day         |
| Consumer DNEL, long-term |  | dermal         | systemic | 213 mg/kg bw/day        |
| Worker DNEL, long-term   |  | inhalation     | local    | 10 mg/m <sup>3</sup>    |
| Consumer DNEL, long-term |  | inhalation     | systemic | 50 mg/m <sup>3</sup>    |
| 111-42-2                 | 2,2'-iminodiethanol; diethanolamine  |                |          |                         |
| Worker DNEL, long-term   |  | inhalation     | systemic | 0,75 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |  | inhalation     | systemic | 0,125 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |  | inhalation     | local    | 0,5 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term |  | inhalation     | local    | 0,125 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |  | dermal         | systemic | 0,130 mg/kg bw/day      |
| Consumer DNEL, long-term |  | dermal         | systemic | 0,07 mg/kg bw/day       |
| Consumer DNEL, long-term |  | oral           | systemic | 0,06 mg/kg bw/day       |

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#### PNEC values

| CAS No   | Substance  | Value        |
|--|--|--------------|
| Environmental compartment                        |  |              |
| 102-71-6   | Triethanolamin   |              |
| Freshwater                                       |  | 0,32 mg/l    |
| Marine water                                     |  | 0,32 mg/l    |
| Freshwater sediment                              |  | 1,7 mg/kg    |
| Marine sediment                                  |  | 0,17 mg/kg   |
| Micro-organisms in sewage treatment plants (STP) |  | 10 mg/l      |
| Soil   |  | 0,151 mg/kg  |
| 57-55-6  | 1,2-propylene glycol (1,2-propanediol)1,2-propylene glycol (1,2-propanediol) |              |
| Freshwater                                       |  | 260 mg/l     |
| Marine water                                     |  | 26 mg/l      |
| Freshwater sediment                              |  | 572 mg/kg    |
| Marine sediment                                  |  | 57,2 mg/kg   |
| Soil   |  | 50 mg/kg     |
| 111-42-2   | 2,2'-iminodiethanol; diethanolamine  |              |
| Freshwater                                       |  | 0,021 mg/l   |
| Marine water                                     |  | 0,002 mg/l   |
| Freshwater sediment                              |  | 0,092 mg/kg  |
| Marine sediment                                  |  | 0,0092 mg/kg |
| Soil   |  | 1,63 mg/kg   |

#### 8.2. Exposure controls



#### Individual protection measures, such as personal protective equipment

##### Hand protection

Protect skin by using skin protective cream.  
Wash hands before breaks and after work.

##### Skin protection

Only wear fitting, comfortable and clean protective clothing. Chemical resistant safety shoes. Take off immediately all contaminated clothing.  
Thorough skin-cleansing after handling the product. Set out skin protection guidelines.

##### Respiratory protection

Do not breathe gas/fumes/vapour/spray. With correct and proper use, and under normal conditions, breathing protection is not required.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state: liquid  
Colour: red  
Odour: characteristic

Melting point/freezing point:

Test method  
not determined



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|   |                                   |
|---|-----------------------------------|
| Boiling point or initial boiling point and boiling range: | 100 °C                            |
| pH-Value:   | 9,5                               |
| Viscosity / kinematic:<br>(at 20 °C)                      | 214 mm <sup>2</sup> /s ASTM D 445 |
| Density (at 20 °C):                                       | 1,02 g/cm <sup>3</sup>            |

#### **9.2. Other information**

##### **Information with regard to physical hazard classes**

###### **Explosive properties**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Danger of bursting container. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

###### **Other safety characteristics**

Solvent content: 0%

###### **Further Information**

No information available.

## **SECTION 10: Stability and reactivity**

#### **10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

#### **10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

#### **10.3. Possibility of hazardous reactions**

Danger of bursting container.

#### **10.4. Conditions to avoid**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Danger of bursting container.

#### **10.5. Incompatible materials**

The following must be prevented: Oxidizing agents, strong. acid.

#### **10.6. Hazardous decomposition products**

In case of fire may be liberated: Pyrolysis products, toxic.

#### **Further information**

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

## **SECTION 11: Toxicological information**

#### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

##### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

##### **Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

##### **Sensitising effects**

Based on available data, the classification criteria are not met.

##### **Carcinogenic/mutagenic/toxic effects for reproduction**



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Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

#### **STOT-single exposure**

Based on available data, the classification criteria are not met.

#### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

### **11.2. Information on other hazards**

#### **Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Based on available data, the classification criteria are not met.

According to the present state of knowledge negative ecological effects are not expected.

### **12.2. Persistence and degradability**

No further relevant information available.

### **12.3. Bioaccumulative potential**

No further relevant information available.

### **12.4. Mobility in soil**

in delivery condition: liquid

### **12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### **12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### **12.7. Other adverse effects**

Avoid release to the environment. According to the present state of knowledge negative ecological effects are not expected.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Completely emptied packings can be re-cycled. Dispose of waste according to applicable legislation.

#### **List of Wastes Code - residues/unused products**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

#### **List of Wastes Code - used product**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

#### **List of Wastes Code - contaminated packaging**

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150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

**Contaminated packaging**

Water (with cleaning agent).

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
Hazard label: 2.2



Classification code: 5A  
Special Provisions: 190+327+344+625  
Limited quantity: LQ2  
Excepted quantity: E0  
Transport category: 3  
Tunnel restriction code: E

**Other applicable information (land transport)**

Special provisions: 190 625  
Special provisions: CV9 CV12 V14 MP 9 PP87 RR 6 L2

**Inland waterways transport (ADN)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
Hazard label: 2.2



Classification code: 5A  
Limited quantity: LQ2  
Excepted quantity: E0

**Other applicable information (inland waterways transport)**

Special provisions: 190 327 625

**Marine transport (IMDG)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2, see SP63

Limited quantity: See SP277  
EmS: F-D, S-U

**Other applicable information (marine transport)**

Special provisions: 63, 190, 277, 327, 959  
E0

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**Air transport (ICAO-TI/IATA-DGR)**

|  |                         |
|--|-------------------------|
| <b>14.1. UN number or ID number:</b>     | UN 1950                 |
| <b>14.2. UN proper shipping name:</b>    | AEROSOLS, non-flammable |
| <b>14.3. Transport hazard class(es):</b> | 2.2                     |
| <b>14.4. Packing group:</b>              | -                       |
| Hazard label:                            | 2.2                     |



|  |                    |
|--|--------------------|
| Special Provisions:                    | A98 A145 A167 A802 |
| Limited quantity Passenger:            | 30 kg G            |
| IATA-packing instructions - Passenger: | 203                |
| IATA-max. quantity - Passenger:        | 75 kg              |
| IATA-packing instructions - Cargo:     | 203                |
| IATA-max. quantity - Cargo:            | 150 kg             |

**Other applicable information (air transport)**E0  
: Y203**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Personal protection equipment: see section 8

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Directive 2010/75/EU on industrial emissions: 0,955 % (9,741 g/l)

Directive 2004/42/EC on VOC in paints and varnishes: 1,123 % (11,455 g/l)

**Additional information**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 1,2,4,5,6,7,8,9,10,11,12,13,14,15,16.

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AICS (Australien), DSL (Kanada), IECSC (China), REACH (Europäische Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (Neuseeland), PICCS (Philippinen), TSCA (USA)

**Abbreviations and acronyms**

Aerosol 3: Aerosols, hazard category 3

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

| Classification  | Classification procedure |
|-----------------|--------------------------|
| Aerosol 3; H229 | On basis of test data    |

**Relevant H and EUH statements (number and full text)**

H229 Pressurised container: May burst if heated.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*